## AMENDMENTS TO THE CLAIMS

## LISTING OF CLAIMS:

6. (four times amended): A compound selected from the group consisting of 3-(2-amino-4-chloro-6-fluoro-3-methoxyphenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)pyrimidinedione; [3-(2-amino-4-chloro-3-methoxyphenyl)-1-amino-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione; 3-(2-amino-4-chloro-6-fluro-3methylphenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione; and 3-(2-amino-4-chloro-3-difluoromethoxy-6-fluorophenyl)-1 methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione]3-(2-amino-4-chloro-6-fluoro-3-methoxyphenyl)-1-amino-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione;

3-(2-amino-4-chloro-6-fluoro-3-methylphenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione; and 3-(2-amino-4-chloro-3-difluoromethoxy-6-fluorophenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione.

 (five times amended): A process for preparing a compound represented by the formula I-1 or its salts:

wherein X is hydrogen, halogen, nitro, amino, NHR, N(R)<sub>2</sub>, amide, thioamide, cyano, alkylcarbonyl, alkoxycarbonyl, alkylsulfonamide, unsubstituted or substituted alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxycarbonylalkoxy, benzyloxy, aryloxy, or heteroaryloxy;

Y is hydrogen, halogen, or nitro;

W is hydrogen, OR, SR, NHR, N(R)<sub>2</sub>, CH<sub>2</sub>R, CH(R)<sub>2</sub>, C(R)<sub>3</sub>, halogen, nitro, or cyano, where multiple R groups represent any possible combination of substituents described by R; R is hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, cycloalkyloxy, aryloxy, heteroaryloxy, alkylsulfonyl, benzyl, alkylcarbonyl, alkenylcarbonyl, alkynylcarbonyl, arylcarbonyl, heteroarylcarbonyl, alkoxycarbonyl, aryloxycarbonyl, or heteroaryloxycarbonyl, where any of these groups may be unsubstituted or substituted with any of the functional groups represented by one or more of the following: halogen, cyano, nitro, amino, carboxyl, alkyl, haloalkyl, alkylsilyl, alkylcarbonyl, haloalkylcarbonyl, alkoxy, alkoxycarbonyl, haloalkoxy, haloalkoxycarbonyl, alkylsulfonyl, haloalkylsulfonyl, aryl, heteroaryl, or cycloalkyl;

O is a heterocycle:

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$$R_0$$
  $R_1$   $Q1$   $R_2$   $R_3$ 

$$R_1$$
,  $R_2$ 

or

$$R_{1}$$

wherein  $R_1$  is hydrogen, alkyl, haloalkyl, alkenyl, alkynyl, amino, alkoxyalkyl, acetyl, alkoxycarbonylamino, alkylcarbonylamino, or alkoxycarbonyl;

R2 is alkyl or haloalkyl;

R<sub>1</sub> and R<sub>2</sub> could combine to form a five- or six-membered heterocyclic ring;

R<sub>3</sub> is hydrogen, halogen, nitro, amino, alkylamino, haloalkylamino, cyano, or amide;

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R<sub>8</sub> and R<sub>9</sub> are independently oxygen, or sulfur;

Z' is one of the following:

wherein R4 is alkyl, alkenyl, alkynyl, amino, cycloalkyl, heterocycloalkyl, alkylsulfonyl, arvisulfonyl, benzyl, arvl, heteroaryl, alkylcarbonyl, alkenylcarbonyl, alkynylcarbonyl, cycloalkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, alkoxycarbonyl, alkylthiocarbonyl, aryloxycarbonyl, aryl-thiocarbonyl, heteroaryloxycarbonyl, cycloalkyloxycarbonyl, arvlaminocarbonyl, heteroarylaminocarbonyl, alkylaminocarbonyl, aminocarbonyl. alkoxycarbonylcarbonyl, or arylcarbonylcarbonyl, where any of these groups may be unsubstituted or substituted with any of the functional groups represented by one or more of the following: halogen, cyano, nitro, amino, dialkylamino, hydroxyl, carboxyl, alkyl, alkenyl, alkylcarbonyl. alkylcarbonyloxy, alkoxy, alkoxycarbonyl, alkylthio, alkvnvl. alkylaminocarbonyl, [alkvithiocarbonyl, lalkylthiocarbonyl, alkoxythiocarbonyl arylaminocarbonyl, alkylsulfonyl, alkenyloxycarbonyl, alkynyloxycarbonyl, aryl, arylcarbonyl, aryloxy, aryloxycarbonyl, arylthio, heteroaryl, heteroaryloxycarbonyl, or methylenedioxy. wherein the alkyl moiety or aryl moiety may be substituted with halogen, cyano, nitro, alkyl, alkoxy, haloalkyl, haloalkoxy, alkoxycarbonyl, aryl, or heterocycloalkyl; and R5 is hydrogen or any one of the groups represented by R4; or R4 and R5 could combine to form a 4-8 membered heterocyclic ring;

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$$--$$
 N= $\begin{pmatrix} R_7 \\ R_7 \end{pmatrix}$ 

wherein  $R_6$  represents alkyl, haloalkyl, dialkylamino, unsubstituted or substituted aryl and heteroaryl; and  $R_7$  represents hydrogen, halogen or any of the groups represented by  $R_6$ ;

- -CH<sub>2</sub>R<sub>10</sub>,
- -CH(R<sub>10</sub>)<sub>2</sub>,
- -C(R<sub>10</sub>)3, or
- -CH=CHR<sub>10</sub>

wherein R<sub>10</sub> is carboxyl, alkyl, alkenyl, alkynyl, amino, cycloalkyl, heterocycloalkyl, alkylsulfonyl, arylsulfonyl, benzyl, aryl, heteroaryl, alkylcarbonyl, alkenylcarbonyl, alkynylcarbonyl, cycloalkylcarbonyl, arylcarbonyl, heteroarylcarbonyl, alkoxycarbonyl, arvloxycarbonyl, aryl-thiocarbonyl, alkylthiocarbonyl, cycloalkyloxycarbonyl, aminocarbonyl, alkylaminocarbonyl, arvlaminocarbonyl, heteroaryloxycarbonyl, heteroarylaminocarbonyl, alkoxycarbonylcarbonyl or arylcarbonylcarbonyl, where any of these groups may be unsubstituted or substituted with any of the functional groups represented by one or more of the following: halogen, cyano, nitro, amino, dialkylamino, hydroxyl, carboxyl, alkyl, alkenyl, alkynyl, cycloalkyl, alkylcarbonyl, alkylcarbonyloxy, alkoxy, alkoxycarbonyl, alkylthio, alkylthiocarbonyl, alkoxythiocarbonyl alkylaminocarbonyl, arylaminocarbonyl, alkylsulfonyl, alkenyloxycarbonyl, alkynyloxycarbonyl, aryl, arylcarbonyl, aryloxy, aryloxycarbonyl, arylthio, heteroaryl, heteroaryloxycarbonyl or methylenedioxy, wherein the alkyl moiety or aryl moiety may be substituted with halogen, cyano, nitro, alkyl, alkoxy, haloalkyl, haloalkoxy, alkoxycarbonyl, cycloalkyl, aryl, or heterocycloalkyl;

provided that Z' is not alkyl, haloalkyl, alkenyl, haloalkenyl, monoalkylamino, or dialkylamino, when Q is Q1 and  $R_2$  is haloalkyl,

which comprises of reacting a compound represented by the formula II:

$$X$$
 $Y$ 
 $Q$ 
 $NH_2$ 

with a compound selected from the group consisting of an alkyl halide, alkyl acid halide, aryl acid halide, alkyl acid anhydride, aryl acid anhydride, alkylhaloformate, alkyl isocyanate, aryl isocyanate, alkyl dihalide, aliphatic aldehyde, aliphatic ketone, aromatic aldehyde, and aromatic ketone.